

BistroMaps

- BistroMaps has two main controllers – MapController and RouteController
- Model View Controller design pattern was followed in development.
- To use google api for the places and images retrieval, I created an account and of the google developer console, and registered the required api and framework for my app (Google places API, image API, maps sdk for ios). The API key generated in this process is essential to use these apis from the app
- Places API was used to get the location and details of nearest restaurants. We use Alamofire framework to make the get call and parse the response.
- Google images API was used to get the image of the restaurant using the key provided in the places api
- The default radius of search was set to 1500 meters. The user can use the textfield provided on the MapController to change the search radius as shown in the video
- Google Maps framework was used to render the map view and show the location markers of the retrieved list of location.
- The collection view displays some essential information of the restaurant, like the rating, distance, time to and price level of the selected restaurant
- On clicking the direction button in the collection view cell, we navigate to RouteController (second tab) where the route from user's location to the restaurant's location is highlighted.
- Further clicking the open in google maps button we direct the user to the route in google maps app, if installed